

AMENDMENTS TO THE SPECIFICATION

[0001] This application is a divisional of U.S. Application No. 09/707,313 filed November 6, 2000 now U.S. Patent No. 6,690,470 and claims priority to U.S. Provisional Application No. 60/163,634, filed November 4, 1999, and of U.S. Provisional Application No. 60/245,884, filed November 3, 2000 entitled "Automated Laser Capture Microdissection" by the same inventors, the entire contents of all of these applications are hereby incorporated herein by reference as if fully set forth herein.

[0017] Figures 3A, 3B illustrates a front view (~~Figure 3a~~) and a side view (~~Figure 3b~~) of a cross-section of an automated LCM.

[0073] A cap weight 560 is coupled to the horizontal support 632 and also includes an arm 662 adjacent pins 648 of the lever 540. The cap weight 560 or pivotable weight 560 is able to pivot about an axis 660 and in one embodiment contacts the top of a cap 620 and exerts a force on the cap 620. A cap lift fork 550 is capable of sliding under the head of the cap 620 in certain configurations of the cap arm system.